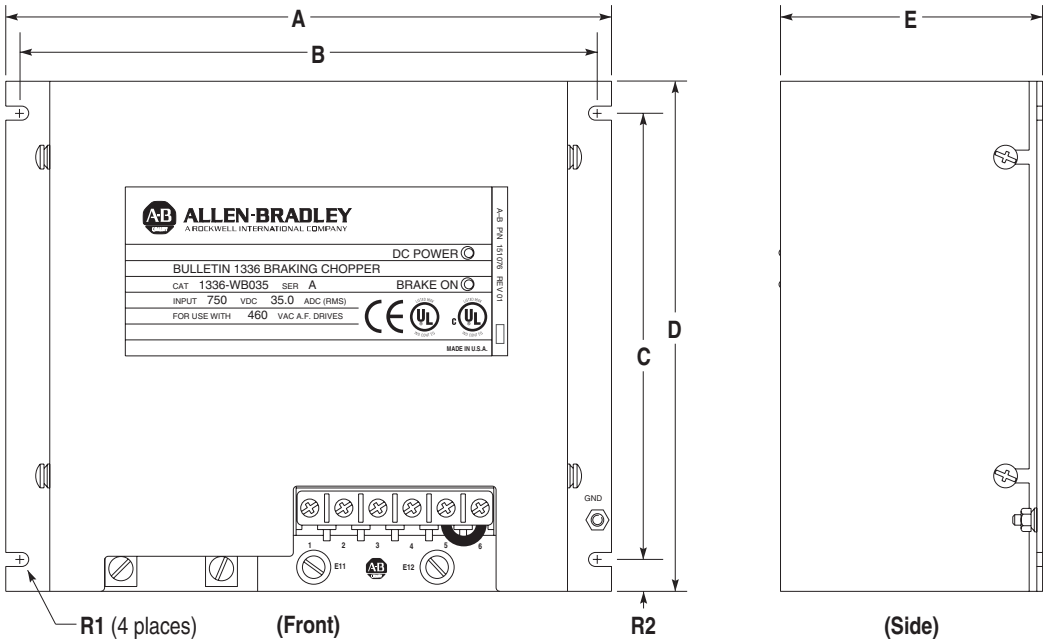
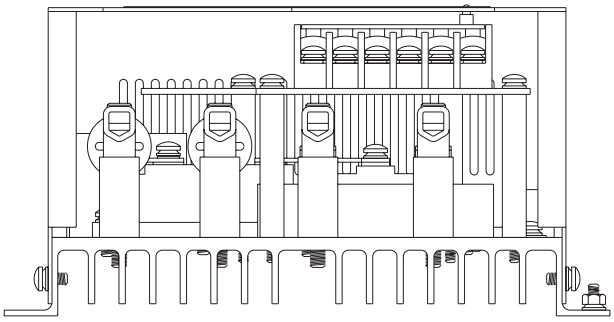
WA070, WB035 and WC035 Dimensions and Weights



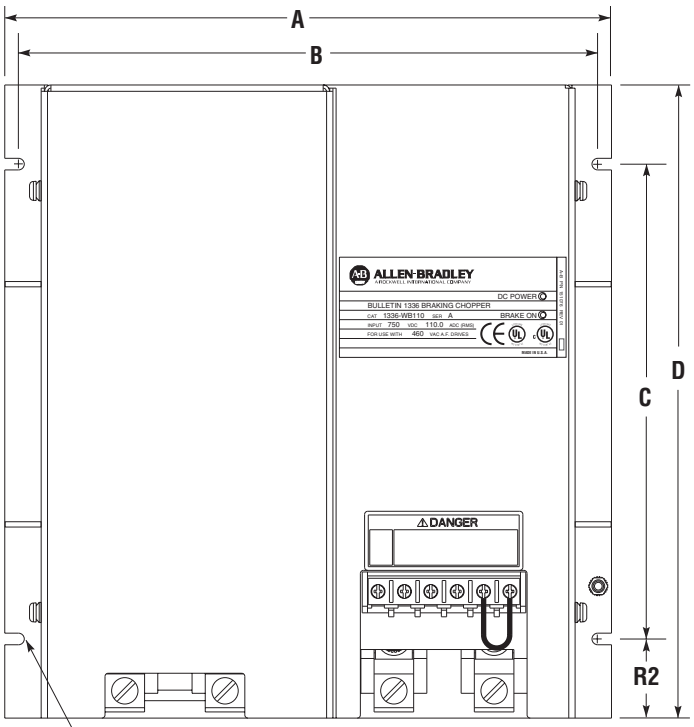


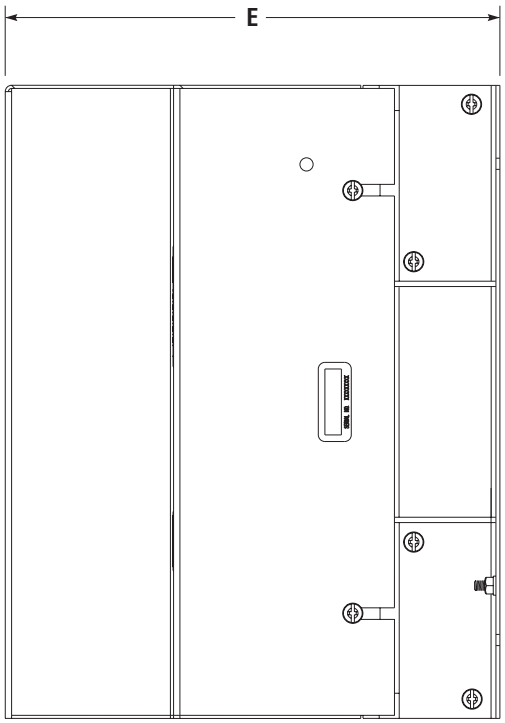
(Bottom)

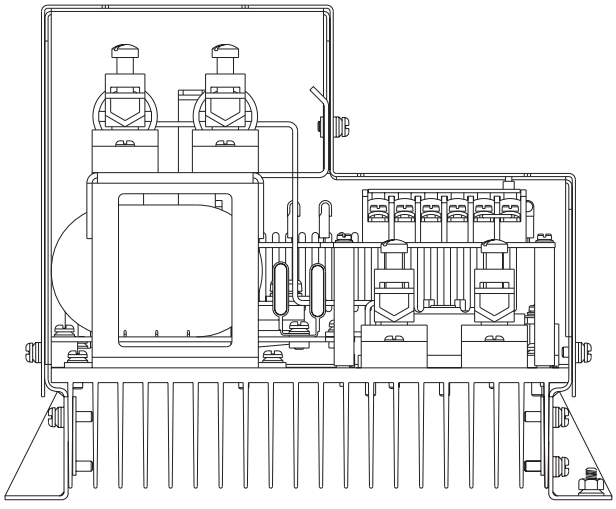
Dimensions and Weights in Millimeters (Inches) and Kilograms (Pounds)

Chopper Module	A	B	C	D	E	R1 Dia.	R2	Weight
WA070 **WB035** **WC035**	241.3 (9.50)	230.1 (9.06)	177.8 (7.00)	203.2 (8.00)	123.4 (4.86)	5.6 (0.22)	12.7 (0.50)	4.08 (9.0)

WA115, WB110 and WC085 Dimensions and Weights







Dimensions and Weights in Millimeters (Inches) and Kilograms (Pounds)

Chopper Module	A	B	C	D	E	R1 Dia.	R2	Weight
WA115 **WB110** **WC085**	290.6 (11.44)	279.4 (11.00)	228.6 (9.00)	304.8 (12.00)	239.8 (9.44)	5.6 (0.22)	38.1 (1.50)	11.34 (25.0)

Specifications

Braking Torque & Duty Cycle	(Refer to pages 5-10)
Input Power	DC power supplied from DC Bus.
Brake Fault Contact	(1) N.C. contact, TTL compatible, closed when power is applied to the brake module, open when a brake fault or loss of power occurs. UL/CSA Rating: 1.0 Amps, 125VAC. 1.0 Amps, 110VAC. 2.0 Amps, 30VDC. CE Certification: Low Voltage EN 60204-1. PREN 50178. Initial Contact Resistance: 100mOhms maximum.
Operating Temperature	Chopper: -10°C to 40°C (14°F to 104°F). Resistors: -10°C to 50°C (14°F to 122°F).
Storage Temperature	Chopper: -40°C to 70°C (-40°F to 158°F). Resistors: -40°C to 70°C (-40°F to 158°F).
Humidity	5% to 95% non-condensing.
Atmosphere	Noncorrosive/nonhazardous dust, vapor or gas.
Altitude Derating	1,000 meters (3,300 feet) maximum without derating.
Enclosure Type	IP00 (Open)
Watts Dissipated [1]	WA018, WB009, WC009:75W at 100% Duty Cycle WA070, WB035, WC035:115W at 100% Duty Cycle WA115, WB110, WC085:190W at 100% Duty Cycle
Minimum Brake Resistance	WA018 = 9.0 Ohms WB009 = 37.0 Ohms WC009 = 46.0 Ohms WA070 = 2.5 Ohms WB035 = 9.0 Ohms WC035 = 15.5 Ohms WA115 = 1.25 Ohms WB110 = 2.5 Ohms WC085 = 3.0 Ohms

[1] Watts Dissipated at 100% (Continuous Duty Cycle) are approximately equal to the average watts dissipated at 20 and 50% Duty Cycles.

Installation Requirements

ATTENTION: Electric Shock can cause injury or death. Remove all power before working on this product.

For all chopper module ratings, DC brake power is supplied from the drive DC Bus.

Hazards of electrical shock exist if accidental contact is made with parts carrying bus voltage. A DC power indicator on the brake enclosures provides visual indication that bus voltage is present. Before proceeding with any installation or troubleshooting activity, allow at least one minute after input power has been removed for the bus circuit to discharge. Bus voltage should be verified by using a voltmeter to measure the voltage between the +DC and -DC terminals on the drive power terminal block. Do not attempt any servicing until the DC power indicating light has extinguished and bus voltage has been verified to be zero volts.